

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/523,007
Source: PCT
Date Processed by STIC: 2-1-06

ENTERED

BEST AVAILABLE COPY

CRF Errors Edited by the STIG Systems Branch

Serial Number:

10523,007

CRF Edit Date:

2-1-06

Edited by:

ze

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☒ Deleted: ☒ invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

___ Other:

Revised 09/09/2003



PCT

RAW SEQUENCE LISTING

DATE: 02/01/2006

PATENT APPLICATION: US/10/523,007

TIME: 12:46:19

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\02012006\J523007.raw

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4     Goldsmith, Neil
5     Soensen, Alexandra M. P.
6     Nielsen, Soen V.S.
8 <120> TITLE OF INVENTION: Methods of mixing large numbers of heterologous genes
10 <130> FILE REFERENCE: P 669 PC00
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/523,007
C--> 12 <141> CURRENT FILING DATE: 2005-02-01
12 <150> PRIOR APPLICATION NUMBER: DK PA 2002 01173
13 <151> PRIOR FILING DATE: 2002-08-01
15 <150> PRIOR APPLICATION NUMBER: DK PA 2003 00787
16 <151> PRIOR FILING DATE: 2003-05-23
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PATENT APPLICATION: US/10/523,007

TIME: 12:46:19

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Output Set: N:\CRF4\02012006\J523007.raw

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PATENT APPLICATION: US/10/523,007

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DATE: 02/01/2006

PATENT APPLICATION: US/10/523,007

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DATE: 02/01/2006

PATENT APPLICATION: US/10/523,007

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Input Set : A:\pto.kd.txt

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VERIFICATION SUMMARY

PATENT APPLICATION: **US/10/523,007**

DATE: 02/01/2006

TIME: 12:46:20

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Output Set: **N:\CRF4\02012006\J523007.raw**

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1007 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:998

**Raw Sequence Listing before editing,
for reference only**



PCT

RAW SEQUENCE LISTING

DATE: 01/26/2006

PATENT APPLICATION: US/10/523,007

TIME: 08:57:22

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Output Set: N:\CRF4\01262006\J523007.raw

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 4 Goldsmith, Neil
 5 Soensen, Alexandra M. P.
 6 Nielsen, Soen V.S.
 8 <120> TITLE OF INVENTION: Methods of mixing large numbers of heterologous genes
 10 <130> FILE REFERENCE: P 669 PC00
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/523,007
 C--> 12 <141> CURRENT FILING DATE: 2005-02-01
 12 <150> PRIOR APPLICATION NUMBER: DK PA 2002 01173
 13 <151> PRIOR FILING DATE: 2002-08-01
 15 <150> PRIOR APPLICATION NUMBER: DK PA 2003 00787
 16 <151> PRIOR FILING DATE: 2003-05-23
 18 <160> NUMBER OF SEQ ID NOS: 5
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Does Not Comply
 Corrected Diskette Needed
 (pg. 6)

RAW SEQUENCE LISTING

DATE: 01/26/2006

PATENT APPLICATION: US/10/523,007

TIME: 08:57:22

Input Set : A:\SequenceListing.txt

Output Set: N:\CRF4\01262006\J523007.raw

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73	ttcatctact	atttccttcg	tgtaatacag	ggtcgtcaga	tacatagata	caattctatt	420
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77	ctaaattgat	ctagagcttt	ggacttcttc	gccagagggt	tggtaagtc	tccaatcaag	540
79	gttgctcggt	tgtctacctt	gccagaaatt	tacgaaaaga	tggaaaaggg	tcaaactcgt	600
81	ggtagatacg	ttgttgacac	ttctaaataa	gcgaatttct	tatgatttat	gatttttatt	660
83	attaaataag	ttataaaaaa	aataagtgtg	tacaaatttt	aaagtgactc	ttaggtttta	720
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99	tttccatagg	ctccgcccc	ctgacgagca	tcacaaaaat	cgacgctcaa	gtcagagggtg	1200
101	gcgaaacccg	acaggactat	aaagatacca	ggcggttccc	cctggaagct	ccctcgtgcg	1260
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127	gtagataact	acgatacggg	agggcttacc	atctggcccc	agtgtctgaa	tgataccgcg	2040
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RAW SEQUENCE LISTING

DATE: 01/26/2006

PATENT APPLICATION: US/10/523,007

TIME: 08:57:22

Input Set : A:\SequenceListing.txt

Output Set: N:\CRF4\01262006\J523007.raw

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167 ctttaatagt ggactcttgg tccaaactgg aacaacactc aacctatctt cggctctattc 3240
169 ttttgattta taagggtatt tgccgatttc ggcctattgg ttaaaaaatg agctgattta 3300
171 acaaaaattt aacgcgaatt ttaacaaaat attaacgctt acaatttcca ttcgccattc 3360
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187 <223> OTHER INFORMATION: Ampicillin resistance gene
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211 <223> OTHER INFORMATION: Cup1 promoter
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227 tcagaatcat ataaaagaga agcaataaac tccttgctct gtatcaattg cattataata 420
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241 ttttaaagtg actcttaggt tttaaaacga aaattcttgt tcttgagtaa ctctttcctg 840
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RAW SEQUENCE LISTING

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TIME: 08:57:22

Input Set : A:\SequenceListing.txt

Output Set: N:\CRF4\01262006\J523007.raw

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277 aaactcacgt taagggtatt tggatcatgag attatcaaaa aggatcttca cctagatcct 1920
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281 cagttaccaaa tgcttaatac gtgaggcacc tatctcagcg atctgtctat ttcggttcac 2040
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335 <211> LENGTH: 4188
336 <212> TYPE: DNA
337 <213> ORGANISM: Artificial sequence
339 <220> FEATURE:
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RAW SEQUENCE LISTING

DATE: 01/26/2006

PATENT APPLICATION: US/10/523,007

TIME: 08:57:22

Input Set : A:\SequenceListing.txt

Output Set: N:\CRF4\01262006\J523007.raw

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342 <220> FEATURE:
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351 <223> OTHER INFORMATION: ColE1
354 <220> FEATURE:
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357 <223> OTHER INFORMATION: fl-phage origin of replication
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362 <222> LOCATION: (1027)..(1355)
363 <223> OTHER INFORMATION: ADH1
366 <220> FEATURE:
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368 <222> LOCATION: (582)..(969)
369 <223> OTHER INFORMATION: Met25 promoter
372 <220> FEATURE:
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374 <222> LOCATION: (1365)..(1603)
375 <223> OTHER INFORMATION: ARS1 (autonomous replicating sequence) for Yeast replication
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380 <222> LOCATION: (49)..(574)
381 <223> OTHER INFORMATION: lambda spacer DNA (22428-22923)
384 <400> SEQUENCE: 3
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VERIFICATION SUMMARY

DATE: 01/26/2006

PATENT APPLICATION: US/10/523,007

TIME: 08:57:23

Input Set : A:\SequenceListing.txt

Output Set: N:\CRF4\01262006\J523007.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1007 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:998
L:1160 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1
L:1162 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5
L:1162 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1
L:1164 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5
L:1164 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1
L:1166 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5
L:1166 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1
L:1168 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5